

Application No. 10/567,339
Reply to Advisory Action of November 24, 2009
And Final Office Action of June 26, 2009

IN THE SPECIFICATION

Please amend paragraph [0019] as follows:

[0019] According to the present invention, there is provided a radio communication method for a radio communication system in which output signals are generated from a plurality of information signals and then transmitted to a system of a communication partner from a plurality of antennas, comprising: receiving control information transmitted by the system of the communication partner; determining, based on the received control information, a first weight corresponding to the plurality of antennas for one of the plurality of information signals modulated by a first modulation scheme and encoded by a first encoding method, and a second weight corresponding to the plurality of antennas for another one of the plurality of information signals modulated by a second modulation scheme and encoded by a second encoding method; generating a first operation result by multiplying the one of the plurality of information signals by the first weight, and generating a second operation result by multiplying the another one of the plurality of information signals by the second weight; and generating, based on the first operation result and the second operation result, a plurality of the output signals each corresponding to one of the plurality of antennas, and transmitting the plurality of the output signals to the system of the communication partner, wherein the control information comprises a weight-related-information on the first and second weight and a transmission format information, on modulation scheme and encoding method, corresponding to the weight-related-information, the modulation scheme and encoding method corresponding to the transmission format information being determined based on the signal quality calculated on the assumption that the output signals of the plurality of antennas are generated utilizing the weights corresponding to the weight-related-information and transmitted simultaneously ~~transmission control method for a MIMO system~~